



PATENT  
Attorney Docket No.: SAM-0425

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Duk-ha Park, *et al.*

Examiner: Nguyen, Tan

Serial No.: 10/610,953

Group Art Unit: 2818

Filing Date: July 1, 2003

Title: SEMICONDUCTOR MEMORY DEVICE HAVING IMPROVED  
REDUNDANCY SCHEME

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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail on the date indicated below in an envelope addressed to Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

12/7/04

Date

Chelsey Davis

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Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☐ under 37 CFR 1.97(b), or  
(Within three months of filing national application other than a CPA under §1.53(d); or within three months of date of entry of the national stage in international application; or before mailing date of first Office Action on the merits; or before mailing date of first Office Action after filing RCE under §1.114, whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ the \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, or other action which closes prosecution, whichever occurs first)
- ☒ under 37 CFR 1.97(d) together with:
- ☒ a Statement under 37 CFR 1.97(e), as checked below, and
- ☒ the \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

12/13/2004 SDEH001 00000041 10610953 180.00 DP  
01 FC:1806

Applicant(s): Duk-ha Park, *et al.*  
Serial No.: 10/610,953

Statement Under 37 C.F.R. 1.97(e)

- ☒ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. \_\_\_\_\_, and references that are not required to be submitted under 37 CFR 1.98.
- ☐ The listed references were cited in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

☒ The "concise explanation" requirement under 36 CFR 1.98(a)(3)(i) for references AL and AM is satisfied by:

- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☒ abstracts.

It is requested the information disclosed herein be made of record in this application.

Applicant(s): Duk-ha Park, *et al.*

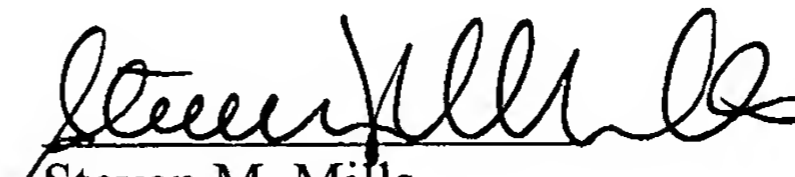
Serial No.: 10/610,953

Method of payment:

- ☐ Enclosed is a check in the amount of \_\_\_\_\_.
- ☐ Please charge Deposit Account of 50-1798 in the amount of \_\_\_\_\_.
- ☐ Two duplicate copies of this Statement are enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1798.

Respectfully submitted,

Date: 12/7/04  
Mills & Onello, LLP  
Eleven Beacon Street, Suite 605  
Boston, Massachusetts 02108  
Telephone: (617) 994-4900  
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Steven M. Mills  
Registration Number 36,610  
Attorney for Applicants



PATENT  
Attorney Docket No.: SAM-0425  
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No.: 10/610,953  
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Title: SEMICONDUCTOR MEMORY DEVICE HAVING IMPROVED REDUNDANCY SCHEME

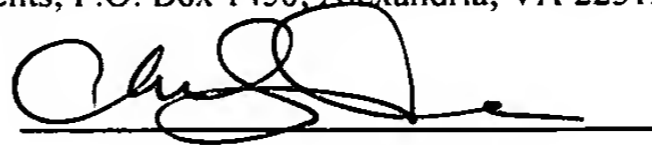
Examiner: Nguyen, Tan  
Group Art Unit: 2818

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12/7/04  
Date

  
Chelsey Davis

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Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:


Enclosed herewith for filing in the above-identified patent application please find the following listed items:

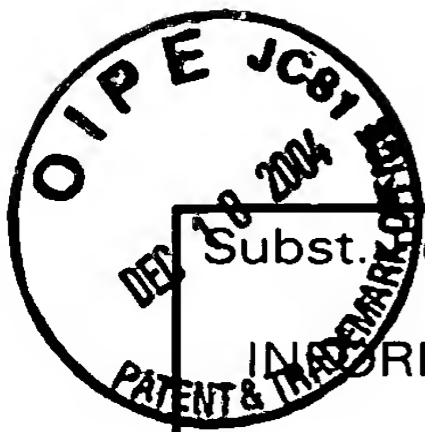
1. Information Disclosure Statement;
2. Form(s) PTO-1449 and copies of cited references AL and AM;
3. Check in the amount of \$180.00 to cover fee under 37 CFR 1.17(p); and
4. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,

Date: 12/7/04  
Mills & Onello, LLP  
Eleven Beacon Street, Suite 605  
Boston, Massachusetts 02108  
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Steven M. Mills  
Registration Number 36,610  
Attorney for Applicants



Subst. Form PTO-1449

Docket Number (Optional)

SAM-0425

Application Number

10/610,953

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

Applicant

Duk-ha Park, *et al.*

Filing Date

July 1, 2003

Group Art Unit

2818

(Use several sheets if necessary)

## U. S. Patent Documents

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL	1999-001473	01/15/99	Korea	H01L	27/10		X
	AM	01-69203	07/23/01	Korea	G11C	16/06		X
	AN							
	AO							
	AP							
	AQ							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.